

# Certificate of Compliance

**Certificate:** 1177992

**Master Contract:** 151079 (LR 53988)

**Project:** 2415023

**Date Issued:** April 27, 2011

**Issued to:** Endress + Hauser GmbH + Co. KG  
Hauptstrasse 1  
Maulburg, Baden-Wurttemberg 79690  
GERMANY  
**Attention:** Mr. Dieter Benz

*The products listed below are eligible to bear the CSA Mark shown*



*Eric Giusti*  
**Issued by:** Eric Giusti

## **PRODUCTS**

**CLASS 2258 03** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non - Incendive Systems - For Hazardous Locations

**CLASS 2258 04** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations

For details related to rating, size, configuration, etc. reference should be made to the CSA Certification Record or the descriptive report.

Ex ia IIC: Class I, Zone 0:

Class I, Groups A, B, C and D;

-Waterpilot, Liquid Level Transmitter, Type FMX167; rated 30VDC, 4-20mA; intrinsically safe when connected per control drawing no.960503-2009.

**CLASS 2252-05** - PROCESS CONTROL EQUIPMENT

- Waterpilot, Liquid Level Transmitter, Type FMX167; SELV rated 8 ... 30VDC, 4-20mA;

## **APPLICABLE REQUIREMENTS**

- |                              |   |   |
|------------------------------|---|---|
| CAN/CSA-C22.2 No. 60079-0:07 | - | Electrical apparatus for explosive gas atmospheres, Part 0: General requirements  |
| CAN/CSA- E60079-11:02        | - | Electrical apparatus for explosive gas atmospheres, Part 11: Intrinsic safety "i" |

**Certificate:** 1177992

**Project:** 2415023



**Master Contract:** 151079 (LR 53988)

**Date Issued:** April 27, 2011

- CAN/CSA C22.2 No. 157-92 - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations
- CAN/CSA-C22.2 No. 61010-1-04 - Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use - Part 1: General requirements.
- 2<sup>nd</sup> Edition

### **MARKINGS**

Refer to Descriptive Documents Package for Label Drawing(s).

Optional marking, "Class I, Zone 0" may appear on the nameplate for Ex ia IIC classification.

Symbol 14, Table 1  (Caution, Risk of Danger). Appeared in the Operating Instructions.

On the accessory terminal box:

"Warning ! Avoid electrostatic charge in explosive atmosphere. See instructions".

Ratings of the box nameplate are as follows:

- For model code FMX167-E..... (IS):  $U_i/V_{max}=30VDC$ ,  $I_i/I_{max}=133\text{ mA}$ ,  $P_i/P_{max}=1W$
- For model code FMX167-F..... (safe area):  $V=30VDC\text{ SELV}$ ,  $I=4\text{ to }20\text{ mA}$

### **SPECIAL CONDITIONS FOR SAFE USE (X)**

The device must be installed in accordance with control drawing no. 960503-2009.



## *Supplement to Certificate of Compliance*

**Certificate:** 1177992

**Master Contract:** 151079 (LR 53988)

*The products listed, including the latest revision described below,  
are eligible to be marked in accordance with the referenced Certificate.*

### **Product Certification History**

---

<b>Project</b>	<b>Date</b>	<b>Description</b>
1177992	February 22,2001	Original Certification for Waterpilot Type FMX167, Liquid Level Transmitter for Hazardous Locations
1845578	November 2, 2006	Update to Report 1177992 to cover revised construction
2171872	June 2, 2009	Update to Report 1177992 to include drawing updates and added std. 61010.1-04.
2415023	April 27, 2011	Update to Report 1177992 to include accessory junction box